

KENTUCKY

Science and Engineering Profile

	Kentucky	U.S.	Rank		Kentucky	U.S.	Rank
Doctoral scientists, 1993	3,780	430,332	32	Total R&D performance, 1993 (millions)	\$429	\$161,427	38
Doctoral engineers, 1993	360	81,293	39	Industry R&D, 1993 (millions)	\$289	\$117,622	35
S&E doctorates awarded, 1993	165	25,409	35	Academic R&D, 1993 (millions)	\$122	\$19,489	35
of which, in life sciences	34%	24%		of which, in life sciences	71%	55%	
in engineering	17%	22%		in engineering	15%	16%	
in psychology	13%	13%		in physical sciences	4%	11%	
S&E postdoctorates, 1993				Higher education current-fund			
in doctorate-granting institutions	227	34,394	29	expenditures, 1993 (millions)	\$1,831	\$163,994	29
S&E graduate students, 1993				Number of SBIR awards, 1990-93	20	13,995	42
in doctorate-granting institutions	3,345	438,128	34	Patents issued to state residents, 1994	285	56,039	33
Population, 1994 (000s)	3,827	260,341	24	Gross state product, 1992 (billions)	\$75.6	\$5,994.1	25
Civilian labor force, 1994 (000s)	1,825	131,013	26	of which, agriculture	3%	2%	
Personal income per capita, 1994	\$17,807	\$21,809	43	manufacturing, mining, construction	32%	23%	
Federal spending				transportation, communication, utilities	9%	9%	
Total expenditures 1994 (millions)	\$17,504	\$1,284,896	26	wholesale and retail trade	15%	16%	
R&D obligations 1993 (millions)	\$87	\$65,394	42	finance, insurance, real estate	14%	18%	
				services	14%	20%	
				government	13%	12%	

Rankings and totals are based on data for the 50 States and D.C.

Federal Obligations for Research and Development in Kentucky by Agency and Performer: Fiscal Year 1993

[Thousands of dollars]

	Total	Federal intramural	All FFRDCs	Industrial firms	Universities & colleges	Other nonprofits	State & local government	State rank
Total, all agencies	86,668	15,728	0	8,534	58,977	1,547	1,882	42
Department of Agriculture	10,975	1,465	0	0	9,510	0	0	37
Department of Commerce	56	0	0	0	56	0	0	41
Department of Defense	15,960	10,647	0	3,201	1,301	811	0	41
Department of Energy	5,408	0	0	0	5,408	0	0	38
Dept. of Health & Human Services	38,389	0	0	2,485	34,616	736	552	31
Department of the Interior	4,079	3,616	0	0	196	0	267	45
Department of Transportation	1,063	0	0	0	0	0	1,063	39
Environmental Protection Agency	3,220	0	0	2,764	456	0	0	21
Nat'l Aeronautics & Space Admin.	732	0	0	34	698	0	0	46
National Science Foundation	6,786	0	0	50	6,736	0	0	41
State rank	42	45	na	46	32	44	33	

Federal R&D obligations are as reported by funding agencies.

FFRDC = federally funded research and development center

SBIR = small business innovation research

na = not applicable

Prepared by the National Science Foundation/Division of Science Resources Studies. Data compiled from numerous sources.